Section 1. Registration Information

Source Identification

Facility Name:	CJ Bio America
Parent Company #1 Name:	
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	First-time submission
Subsequent RMP Submission Reason:	
Description:	
Receipt Date:	13-Sep-2013
Postmark Date:	13-Sep-2013
Next Due Date:	13-Sep-2018
Completeness Check Date:	13-Sep-2013
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	

Facility Identification

EPA Facility Identifier:	1000 0022 2289
Other EPA Systems Facility ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	78435734
Parent Company #1 DUNS:	
Parent Company #2 DUNS:	

Facility Location Address

Street 1:	1946 Harvest Avenue
Street 2:	
City:	Fort Dodge
State:	IOWA
ZIP:	50501
ZIP4:	
County:	WEBSTER

Facility Latitude and Longitude

Latitude (decimal):	42.512471
Longitude (decimal):	-94.311070
Lat/Long Method:	Interpolation - Digital map source (TIGER)
Lat/Long Description:	Center of Facility
Horizontal Accuracy Measure:	3
Horizontal Reference Datum Name:	North American Datum of 1983
Source Map Scale Number:	

Owner or Operator

Operator Name:	CJ Bio America
Operator Phone:	(515) 302-8028

Mailing Address

Operator Street 1:	1946 Harvest Avenue
Operator Street 2:	
Operator City:	Fort Dodge
Operator State:	IOWA
Operator ZIP:	50501
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	Kelly Jessen
RMP Title of Person or Position:	Sr. Environmental Coordinator
RMP E-mail Address:	kjessen@cj.net

Emergency Contact

Emergency Contact Name:	Kelly Jessen
Emergency Contact Title:	Sr. Environmetnal Coordinator
Emergency Contact Phone:	(515) 571-9878
Emergency Contact 24-Hour Phone:	(515) 302-8028
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	kjessen@cj.net

Other Points of Contact

Facility or Parent Company E-mail Address:	
Facility Public Contact Phone:	
Facility or Parent Company WWW Homepage Address:	

Local Emergency Planning Committee

LEPC:	

Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	160
FTE Claimed as CBI:	

Covered By

OSHA PSM :	Yes
EPCRA 302 :	Yes
CAA Title V:	
Air Operating Permit ID:	

OSHA Ranking

OSHA Star or Merit Ranking:	

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	
Last Safety Inspection Performed By an External Agency:	Never had one

Predictive Filing

Did this RMP involve predictive filing?:	Yes

Preparer Information

Preparer Name:	Shawn Zablocki
Preparer Phone:	(402) 350-7101
Preparer Street 1:	2111 S 67th Street
Preparer Street 2:	
Preparer City:	Omaha
Preparer State:	NEBRASKA
Preparer ZIP:	68106
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:	
Substantiation Provided:	
Unsanitized RMP Provided:	

Reportable Accidents

Reportable Accidents:	See Section 6. Accident History below to determine if there were any accidents reported for this RMP.

Process Chemicals

Process ID:	1000043306
Description:	Lysine Production
Process Chemical ID:	1000052051
Program Level:	Program Level 3 process
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Quantity (lbs):	175100
CBI Claimed:	
Flammable/Toxic:	Toxic

Process NAICS

Process ID:	1000043306
Process NAICS ID:	1000043690
Program Level:	Program Level 3 process
NAICS Code:	311119
NAICS Description:	Other Animal Food Manufacturing

Section 2. Toxics: Worst Case

Toxic Worst ID: 1000035676

Percent Weight:	100.0
Physical State:	Gas liquified by pressure
Model Used:	EPA's RMP*Comp(TM)
Release Duration (mins):	10
Wind Speed (m/sec):	1.5
Atmospheric Stability Class:	F
Topography:	Rural

Passive Mitigation Considered

Dikes:	Yes
Enclosures:	
Berms:	
Drains:	
Sumps:	
Other Type:	

Section 3. Toxics: Alternative Release

Toxic Alter ID: 1000037666

Percent Weight:	100.0
Physical State:	Gas liquified by pressure
Model Used:	EPA's RMP*Comp(TM)
Wind Speed (m/sec):	3.0
Atmospheric Stability Class:	D
Topography:	Rural

Passive Mitigation Considered

Dikes:	Yes
Enclosures:	
Berms:	
Drains:	
Sumps:	
Other Type:	

Active Mitigation Considered

Sprinkler System:	
Deluge System:	
Water Curtain:	
Neutralization:	
Excess Flow Valve:	
Flares:	
Scrubbers:	
Emergency Shutdown:	
Other Type:	

Section 4. Flammables: Worst Case

No records found.

Section 5. Flammables: Alternative Release

No records found.

Section 6. Accident History

No records found.

Section 7. Program Level 3

Description

No description available.

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000045681
Chemical Name:	Ammonia (anhydrous)
Flammable/Toxic:	Toxic
CAS Number:	7664-41-7
Prevention Program Level 3 ID:	1000037658
NAICS Code:	311119

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	10-Jul-2013

Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	13-Dec-2012

The Technique Used

What If:	
Checklist:	Yes
What If/Checklist:	
HAZOP:	Yes
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	01-Oct-2013

Major Hazards Identified

Toxic Release:	Yes
Fire:	
Explosion:	
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	
Earthquake:	
Floods (Flood Plain):	

Tornado:	Yes
Hurricanes:	
Other Major Hazard Identified:	

Process Controls in Use

Vents:	Yes
Relief Valves:	Yes
Check Valves:	Yes
Scrubbers:	Yes
Flares:	
Manual Shutoffs:	Yes
Automatic Shutoffs:	Yes
Interlocks:	Yes
Alarms and Procedures:	Yes
Keyed Bypass:	
Emergency Air Supply:	
Emergency Power:	
Backup Pump:	
Grounding Equipment:	
Inhibitor Addition:	
Rupture Disks:	
Excess Flow Device:	Yes
Quench System:	
Purge System:	
None:	
Other Process Control in Use:	

Mitigation Systems in Use

Sprinkler System:	
Dikes:	Yes
Fire Walls:	
Blast Walls:	
Deluge System:	
Water Curtain:	
Enclosure:	
Neutralization:	
None:	
Other Mitigation System in Use:	

Monitoring/Detection Systems in Use

Process Area Detectors:	Yes
Perimeter Monitors:	
None:	
Other Monitoring/Detection System in Use:	

Changes Since Last PHA Update

Reduction in Chemical Inventory:	
Increase in Chemical Inventory:	
Change Process Parameters:	
Installation of Process Controls:	
Installation of Process Detection Systems:	

Installation of Perimeter Monitoring Systems:	
Installation of Mitigation Systems:	
None Recommended:	
None:	Yes
Other Changes Since Last PHA or PHA Update:	

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures):	12-Jun-2013

Training

Training Revision Date (The date of the most recent review or revision of training programs):	13-Jul-2013

The Type of Training Provided

Classroom:	Yes
On the Job:	Yes
Other Training:	

The Type of Competency Testing Used

Written Tests:	Yes
Oral Tests:	Yes
Demonstration:	Yes
Observation:	
Other Type of Competency Testing Used:	

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures):	13-Jul-2013
Equipment Inspection Date (The date of the most recent equipment inspection or test):	26-Apr-2013
Equipment Tested (Equipment most recently inspected or tested):	Ammonia Tank #3

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures):	
Change Management Revision Date (The date of the most recent review or revision of management of change procedures):	13-Jul-2013

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review):

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit):

Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit):

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):

Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans):	12-Jun-2013

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures):	06-May-2013

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures):	06-May-2013

Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance):

Confidential Business Information

CBI Claimed:

Section 8. Program Level 2

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?):	Yes
Facility Plan (Does facility have its own written emergency response plan?):	Yes
Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?):	Yes
Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?):	Yes
Healthcare (Does facility's ER plan include information on emergency health care?):	Yes

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan):	10-Jul-2013

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees):	30-Aug-2013

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated):	Region V HazMat
Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated):	(515) 955-6748

Subject to

OSHA Regulations at 29 CFR 1910.38:	Yes
OSHA Regulations at 29 CFR 1910.120:	Yes
Clean Water Regulations at 40 CFR 112:	Yes
RCRA Regulations at CFR 264, 265, and 279.52:	Yes
OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:	
State EPCRA Rules or Laws:	Yes
Other (Specify):	

Executive Summary

The CJ Bio America Facility is currently under construction in Fort Dodge, Iowa. The facility is located in Webster County. The anticipated start up for the facility is October 1, 2013. Since this RMP is being submitted well in advance of facility start up, there are some elements of the risk management program which are still under development. It is the intent of the facility to submit an updated RMP upon complete implementation of the Risk Management Program in advance of facility start up. The discussion below addresses the current status of each element of the risk management program

5 YEAR RELEASE HISTORY
As stated above, this facility is under construction and has yet to receive any materials therefore there is no release history.

EMPLOYEE PARTICIPATION
The facility has drafted an employee participation program and this program will be reviewed prior to facility start up.

PROCESS SAFETY INFORMATION
Process safety information is being compiled as the facility construction progresses. Since the facility construction is still underway, this material is still subject to change based on process design changes and the implementation of recommendations from the PHA. It is the facilities intent to maintain all PSI in a central location and all safety information will be assembled and reviewed prior to facility start up.

PROCESS HAZARD ASSESSMENT
The facility conducted a Process Hazard Assessment on December 13,2012. The PHA utilized a combination of the HAZOP methodology and checklists. The HAZOP focused on hazards related to the process, while the checklists focused on environmental factors, human factors and facility siting. The facility has been addressing recommendations and all recommendations from the PAH will be addressed prior to the facility start up in October.

STANDARD OPERATING PROCEDURES
Standard Operating Procedures are still under development, as the facility is still under construction. As SOPs are developed, they are being reviewed for completeness and to ensure that the SOPs contain all required elements. All SOPs will be developed and trained upon prior to the facility commencing operation. SOPs will be certified on an annual basis once the facility begins operation. Operators will be involved with the annual certification.

TRAINING
Key facility employees have been hired and have been undergoing extensive operations training. This training has involved prolonged visits to existing CJ facilities that are currently in operation in other countries. The training involves a combination of hands on training and classroom training. All training activities are being documented. A training program for employees hired after operation commences is currently under development.

MAINTENANCE
The facility will be utilizing the computerized maintenance management module in SAP to manage its mechanical integrity program. That system, is still in development. The system will be utilized to generate work orders for preventative maintenance activities based on manufacturer's recommendations. The frequency of the work orders will follow manufacturer's recommendations and all maintenance activities will be performed according to the procedures specified by the manufacturer. In addition any non-routing maintenance will be tracked in the SAP system so that a complete maintenance history can be ound for each piece of equipment. Since the maintenance program is still being developed at this time, no date has been provided for the review of maintenance procedures or maintenance activities.

PRE-STARTUP SAFETY REVIEW
Since this is a new facility, there will be extensive commissioning and testing of equipment prior to the introduction of hazardous materials. This testing includes the verification that the equipment received meets is indeed the specified equipment and that all equipment is installed in accordance with design specifications. In addition to the engineering testing, there will be an additional PSSR conducted prior to the facility start up to verify that all elements of the risk management program are in place prior to start up and that all training has been completed. Since the PSSR is still underway, no date has been provided in this submission.

AUDITS

A written audit program has been developed for the facility in which compliance audits will be conducted at least every three years. Since this is a new facility there have been no compliance audits conducted to date.

INCIDENT INVESTIGATION

An incident investigation procedure has been developed and all employees will be trained in the procedure prior to commencing operations. Since no hazardous material has been received on site, there have been no incidents which resulted in or could have resulted in catastrophic release to investigate; therefore there is no date provided for the most recent investigation.

HOT WORK

The facility ahs develop a detailed hot work program. Employees will be trained on the hit work program, prior to commencement of operation.

CONTRACTOR SAFETY

The facility has developed a contractor safety program that will be implemented upon commencement of operation. During construction the Engineering contractor that is overseeing the construction of the facility has been managing all contractors on site.